

**Amendments to Claims**

This listing of claims will replace all prior versions and listing of claims in the application:

**Listing of Claims**

1. (Original) A fluid analyzer comprising:
  - a pre-concentrator having a plurality of parallel channels; and
  - a concentrator connected to the pre-concentrator; and
  - a first separator connected to the concentrator.
2. (Original) The analyzer of claim 1, further comprising a first plurality of heater elements situated in the concentrator.
3. (Original) The analyzer of claim 2, further comprising a second separator connected to the first separator.
4. (Original) The analyzer of claim 3, further comprising a second plurality of heater elements in the channels of the pre-concentrator.
5. (Original) The analyzer of claim 4, further comprising a controller connected to the first and second pluralities of heater elements for providing a concentrated heat pulse.
6. (Previously Presented) The analyzer of claim 5, further comprising a first pump connected to the pre-concentrator.
7. (Original) The analyzer of claim 6, further comprising a second pump connected to the second separator.

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8. (Original) The analyzer of claim 7, further comprising at least one detector situated between an input of the pre-concentrator and the second pump.

9. (Original) The analyzer of claim 8, wherein the concentrated heat pulse moves through the concentrator.

10-20. (canceled)